

IN THE CLAIMS

Claims 1-8 (canceled)

Claim 9. (currently amended): A constant force socket comprising:

a coupling hole having an open end and a closed end;

an inner hole having an open end and a closed end;

wherein the closed end of the coupling hole abuts the closed end of the inner hole;

an interior threaded region located in said inner hole proximate said open end thereof;

a first set of teeth ~~disposed~~ radially disposed in an interior of said inner hole proximate said closed end of said inner hole;

a ratchet wheel having a first end and a second end and having a region of relatively greater diameter terminating in said first end and a region of relatively smaller diameter terminating in said second end;

wherein the ratchet wheel is mounted in the inner hole;

a second set of teeth radially disposed around said first end of said ratchet wheel;

wherein said first set of teeth and said second set of teeth are adapted to engage one another;

a torsion tool hole at said second end of said ratchet wheel;

a spring mounted around said region of said ratchet wheel of relatively smaller diameter and abutting at a first end thereof said region of said ratchet wheel of relatively greater diameter;
and

a pressure adjusting element having an exterior threaded region adapted to threadably engage said interior threaded region in said inner hole;

wherein a first side of said pressure adjusting element contacts a second end of said spring; and

wherein rotation of said pressure adjusting element within said inner hole adjusts an amount of pressed force on said spring and thus on said ratchet wheel.

10. (previously presented): The constant force socket of Claim 9 wherein:

each tooth in said first set of teeth has an inclined side and a vertical side; and

each tooth in said second set of teeth has an inclined side and a vertical side.

11. (previously presented): The constant force socket of Claim 9 wherein:

each tooth in said first set of teeth has a first inclined side and a second inclined side and wherein said first inclined side and said second inclined side slope at different angles from one another; and

each tooth in said second set of teeth has a first inclined side and a second inclined side and wherein said first inclined side and said second inclined side slope at different angles from one another.